

Application No. 10/828,521  
 Reply to Office Action of September 26, 2006

3

Docket No.: ARL 03-01

### AMENDMENTS TO THE CLAIMS

1. (Currently amended) A copolymer composition comprising a compound having the formula:



wherein A is a thermoplastic block copolymer including a monomer  $\begin{array}{c} (C)_n \\ | \\ RZ \end{array}$ ; B is an elastomeric block copolymer polyisobutylene including a monomer  $-(D)_m$ ; m and n are each independent integers between 10 and  $10^7$ ; R is an ~~anion~~ oxygen and an element selected from the group consisting of a chalcogen, nitrogen, and phosphorus; and Z is a cation; and RZ is present on over 0.7n of the monomer C in copolymer A.

2. (Original) The copolymer composition of claim 1 wherein A is polystyrene.

3-4 (Canceled)

5. (Currently amended) The copolymer composition of claim ~~[[4]]~~ 1 wherein R is  $SO_3$ .

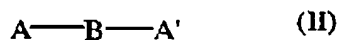
6. (Currently amended) The copolymer composition of claim 1 wherein Z is a cation compatible with R and selected from the group consisting of H, a lanthanide species, an alkaline earth metal and an ~~alkali~~ alkali metal.

Application No.10/828,521  
Reply to Office Action of September 26, 2006

4

Docket No.: ARL 03-01

7. (Original) The copolymer composition of claim 6 wherein Z is Cs.
8. (Original) The copolymer composition of claim 1 further comprising a second block A bonded to block B.
9. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 1-99% of the total block copolymer.
10. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 5-90% of the total block copolymer.
11. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 10-70% of the total block copolymer.
12. (Withdrawn – currently amended) A copolymer composition comprising a compound having the formula:



wherein A is a thermoplastic block copolymer  $\begin{array}{c} (C)_n \\ | \\ PRZ \end{array}$ ; B is ~~an elastomeric block~~ copolymer polyisobutylene including a monomer  $\begin{array}{c} (D)_m \\ | \\ PRZ \end{array}$ ; A' is a thermoplastic block copolymer  $\begin{array}{c} (C)_q \\ | \\ PRZ \end{array}$ ; m and n are each independent integers between 10 and  $10^7$ ; R is ~~an anion~~ oxygen and an element selected from the group consisting of a chalcogen, nitrogen, and

Application No.10/828,521  
Reply to Office Action of September 26, 2006

5

Docket No.: ARL 03-01

phosphorus; and Z is a cation; P is a phenyl group, and RZ is present on over ~~0.7n+q~~ 0.7(n+q) of P.

13. (Canceled)

14. (Withdrawn – currently amended) The copolymer composition of claim 12 wherein Z is a cation compatible with R and selected from the group consisting of H, a lanthanide species, an alkaline earth metal and an ~~alkali~~ alkali metal.

15. (Withdrawn) The copolymer composition of claim 12 wherein R is SO<sub>3</sub>.

16. (Withdrawn) The copolymer composition of claim 12 wherein Z is selected from the group consisting of: H, Cs, Zn and Na.

17. (Withdrawn) The copolymer composition of claim 12 wherein RZ is SO<sub>3</sub>H.

18. (Withdrawn) The copolymer composition of claim 12 wherein block A is present at levels ranging between 1-99% of the total block copolymer.

19. (Withdrawn) The copolymer composition of claim 12 wherein block A is present at levels ranging between 5-90% of the total block copolymer.

Application No.10/828,521  
Reply to Office Action of September 26, 2006

6

Docket No.: ARL 03-01

20. (Withdrawn) The copolymer composition of claim 12 wherein block A is present at levels ranging between 10-70% of the total block copolymer.

21-30 (Canceled)